Louisiana Regional HIV/AIDS Surveillance Report

Characteristics and Trends of Reported HIV and AIDS Cases

2001



Region III: Houma Region

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Regional Epidemiologic Profile

Region III: Houma Region

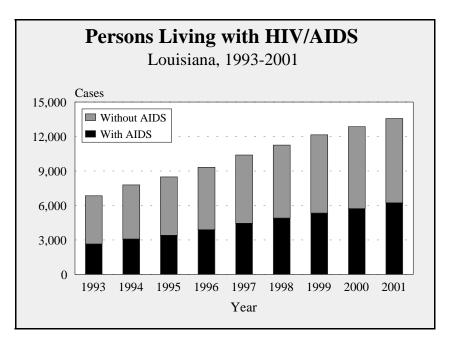
This profile summarizes the status of the HIV/AIDS epidemic in the Houma region for cases diagnosed through 2001 and reported through May, 2002. Please refer to the technical notes (page 16) for information on the interpretation of HIV data.

The following are highlights of this year's report for Region III:

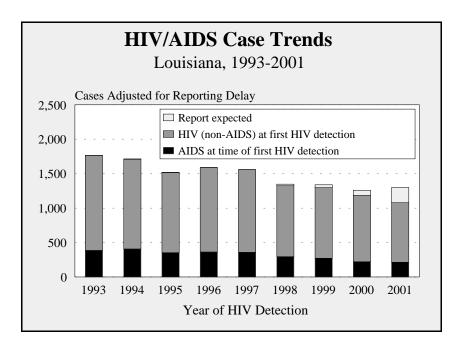
- In 2001, the Houma region had one of the lowest HIV/AIDS case rates in the state (7 cases out of every 100,000 persons).
- Through 2001, the cumulative number of persons detected and reported with HIV infection was 644. Also through 2001, 438 persons have been diagnosed with AIDS in Region III. In 2001 alone, 25 new cases of HIV infection were detected and 27 new AIDS cases were diagnosed.
- By the end of 2001, there were 403 persons living with HIV/AIDS in Region III. The number of persons living with HIV/AIDS continues to increase each year.
- Deaths among persons with AIDS dropped significantly between 1996 and 1997. Since 1999, however, mortality has been increasing in Region III.
- Consistent with all 9 regions in the state, African-American men had the highest HIV/AIDS rate in the Houma region. Fourteen out of every 100,000 African-American men in Region III were newly-diagnosed with HIV/AIDS in 2001, and 56% of newly-diagnosed HIV/AIDS cases in the region were African-Americans (men and women).
- In 2001, the proportion of HIV/AIDS cases in women in the region was 32%. Also, 31% of all people living with HIV/AIDS in the region were women.
- The Houma region was the only region in the state that did not have an increase in AIDS cases from 2000 to 2001.
- Although the number of new HIV/AIDS cases attributed to men who have sex with men (MSM) has been decreasing throughout the state, the epidemic in MSM remains the largest of all transmission groups in Louisiana. Statewide in 2001, 43% of all cases with a specified risk for exposure were attributed to MSM exposure; in the Houma region 47% of all newly-diagnosed HIV/AIDS cases, for which a risk was specified, occurred among MSM. Of the reported persons living with HIV/AIDS in Region III, 47% of all cases were attributed to MSM.

As the HIV/AIDS epidemic continues in persons at high risk and expands in persons who may not recognize their risk (e.g. women, sexual partners of persons at high risk), health care providers can play an important role in preventing HIV/AIDS. Physicians, nurses, and other health care workers should talk to every patient about his/her sexual behavior and recommend specific steps to decrease risky behavior, including reducing the number of sexual partners and using condoms routinely. As AIDS is still an incurable disease, the few minutes spent in this counseling can save more lives than all medical interventions that are available.

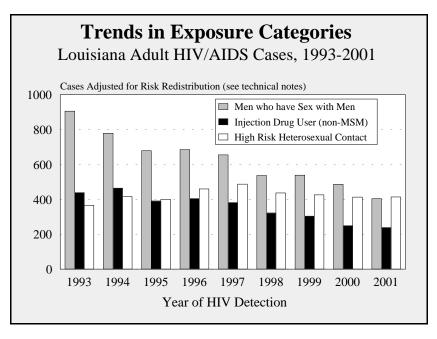
Public Health Regions					
Region	<u>Area</u>	<u>Parishes</u>			
I	New Orleans	Jefferson, Orleans, Plaquemines, St. Bernard			
II	Baton Rouge	Ascension, East Baton Rouge, East Feliciana, Iberville, Ponte Coupee, West Baton Rouge, West Feliciana			
III Houma		Assumption, Lafourche, St. Charles, St. James, St. John the Baptist, St. Mary, Terrebone			
IV	Lafayette	Acadia, Evangeline, Iberia, Lafayette, St. Landry, St. Martin, Vermillion			
V	Lake Charles	Allen, Beauregard, Calcasieu, Cameron, Jefferson Davis			
VI Alexandria		Avoyelles, Catahoula, Concordia, Grant, La Salle, Rapides, Vernon, Winn			
VII	Shreveport	Bienville, Bossier, Caddo, Claiborne, De Soto, Natchitoches, Red River, Sabine, Webster			
VIII	Monroe	Caldwell, East Carroll, Franklin, Jackson, Lincoln, Madison, Morehouse, Ouachita,			
IX	Hammond/Slidell	Richland, Tensas, Union, West Carroll Livingston, St. Helena, St. Tammany, Tangipahoa, Washington			



• The number of persons living with HIV continues to increase each year. At the end of 2001, 13,565 persons were known to be living with HIV/AIDS in Louisiana, of whom 6,236 (46%) had progressed to AIDS. This trend is largely due to the introduction of effective drug treatment and therapies, which delay the progression from HIV to AIDS and AIDS to death.



- In 2001, 1,078 new HIV/AIDS cases were detected statewide. Since 1993, the number of newly-detected HIV/AIDS cases has decreased by over a third, from 1,766 cases detected in 1993 to 1,078 cases detected in 2001.
- Of the newly detected cases in 2001, 22% were diagnosed with AIDS at the time of first HIV-detection.



- The largest proportion of cases detected in 2001 (38%) were attributed to heterosexual contact, after adjusting for unreported risk.
- Cases among MSM, including MSM/IDU accounted for 37% of all cases detected in 2001; however nearly half of all persons living with HIV in Louisiana (48%) may have been exposed to the virus through male-male sexual contact.

STATEWIDE

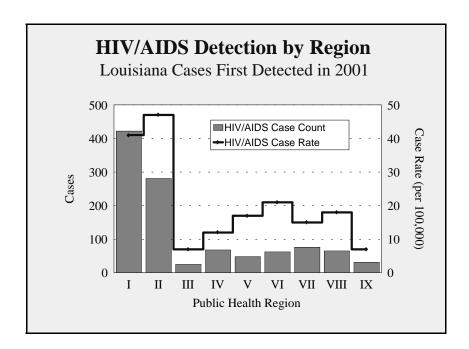
Louisiana HIV/AIDS Cases and Case Rates by Parish									
	AIDS	HIV/AIDS		Cum		AIDS	HIV /AIDS	HIV/AIDS	Cum
	DX ^a in	Detected in	Detection	HIV/AIDS		DX ^a in	Detected in	Detection	HIV/AIDS
PARISH	2001	2001	Rate, 2001 ^b	Cases ^c	PARISH	2001	2001	Rate, 2001 ^b	Cases ^c
Statewide	858	1,078	24	21,584	Region VI	35	62	21	881
					Avoyelles	6	10	24	193
Region I	343	422	41	10,604	Catahoula	2	4	n/a	22
Jefferson	68	93	20	1,844	Concordia	2	3	n/a	43
Orleans	271	321	66	8,563	Grant	3	6	32	30
Plaquemines	0	2	n/a	42	La Salle	0	1	n/a	7
St. Bernard	4	6	9	155	Rapides	17	33	26	444
					Vernon	2	3	n/a	72
Region II	237	281	47	4,228	Winn	3	2	n/a	70
Ascension	9	14	18	148					
East Baton Rouge	185	230	56	3,371	Region VII	56	76	15	1,285
East Feliciana	10	9	42	117	Bienville	0	2	n/a	18
Iberville	14	15	45	231	Bossier	6	6	6	132
Pointe Coupee	5	3	n/a	59	Caddo	34	53	21	885
West Baton Rouge	4	6	28	115	Claiborne	6	2	n/a	58
West Feliciana	10	4	n/a	187	De Soto	4	6	24	34
					Natchitoches	2	4	n/a	80
Region III	27	25	7	644	Red River	0	0	n/a	9
Assumption	0	0	n/a	29	Sabine	1	1	n/a	23
LaFourche	4	3	n/a	101	Webster	3	2	n/a	46
St. Charles	2	2	n/a	92	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ü	_	11/ 60	
St. James	3	0	n/a	57	Region VIII	51	65	18	946
St. John the Baptist	2	3	n/a	84	Caldwell	1	1	n/a	16
St. Mary	3	4	n/a	94	East Carroll	5	9	96	36
Terrebone	13	13	12	187	Franklin	0	0	n/a	22
		10		10,	Jackson	1	0	n/a	16
Region IV	49	68	12	1,281	Lincoln	1	1	n/a	67
Acadia	8	9	15	104	Madison	4	7	51	63
Evangeline	3	4	n/a	46	Morehouse	3	1	n/a	60
Iberia	6	9	12	109	Ouachita	30	35	24	534
Lafayette	14	20	10	639	Richland	4	7	33	52
St. Landry	14	14	16	211	Tensas	1	2	n/a	29
St. Martin	2	8	16	87	Union	1	$\overset{2}{0}$	n/a	33
Vermilion	2	4	n/a	85	West Carroll	0	2	n/a	18
Region V	34	48	17	859	Region IX	26	31	7	856
Allen	4	2	n/a	141	Livingston	4	7	8	123
Beauregard	3	3	n/a	60	St. Helena	0	0	n/a	10
Calcasieu	23	39	21	595	St. Tammany	9	10	5	353
Cameron	1	1	n/a	8	Tangipahoa	6	10	10	190
Jefferson Davis	3	3	n/a	55	Washington	7	4	n/a	180

^aDX—Diagnosed with AIDS. AIDS diagnoses will be included in counts of HIV/AIDS detection (2nd column) for persons first detected with HIV at an AIDS diagnosis; therefore numbers from the two columns should not be added.

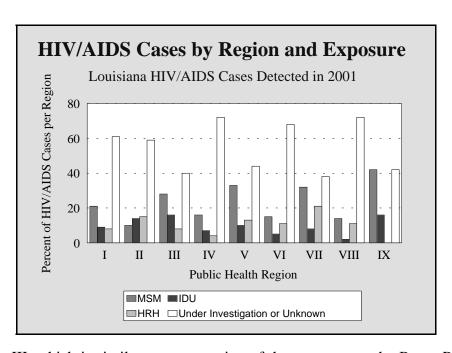
^b Rates per 100,000 persons in parish. Rates are unstable and not available (n/a) for parishes with low case counts.

^cCumulative HIV/AIDS may be interpreted as minimum number of cases reported in parish.

STATEWIDE



• The New Orleans region had the highest number of HIV/AIDS cases detected in 2001 and the Baton Rouge region had the highest HIV/AIDS detection rates (number of cases per population in the region). Region III had the 8th highest rate and the 9th highest number of cases in 2001.



 In Region III, which is similar to every region of the state except the Baton Rouge region, the largest proportion of newly-detected cases in 2001, with an identified exposure, were attributed to MSM exposure. In the Baton Rouge region, both injection drug use and highrisk heterosexual contact accounted for larger percentages of the newly-detected cases than did male-male sexual contact.

Characteristics of HIV-Infected Persons (HIV/AIDS) ^a							
Region III: Houma Region							
	Persons with HIV/AIDS						
	First Detected in 2001					with HIV/AIDS	
	These columns reflect persons with HIV infection					This column reflects the	
	,	-	•		n <u>minimum</u> number of		
	0	h confidential i	0	v	persons living with HIV/		
		have been dia	0		AIDS by the end of 2001.		
		s first detected	•		This column		
	v	ect new cases	v	ion but rather	persons livin	g with AIDS.	
	v	f HIV detection	l. I	D .			
		ewide			on III		
TOTAL	Cases 1,078	Percent b	Cases 25	Percent b	Cases 403	Percent b	
TOTAL	1,078	100%	25	100%	403	100%	
Gender							
Men	689	64%	17	68%	277	69%	
Women	389	36%	8	32%	126	31%	
Ethnicity							
African-American	796	74%	14	56%	207	51%	
White	243	23%	10	40%	184	46%	
Other	33	3%	1	4%	12	3%	
Unknown	6	1%	0	0%	0	0%	
Age Group	Age at HIV	Detection	Age at HIV	7 Detection	Age at En	Age at End of 2001	
Under 13	10	1%	1	4%	8	2%	
13-24	219	20%	3	12%	30	7%	
25-34	285	26%	8	32%	108	27%	
35-44	316	29%	6	24%	162	40%	
Over 44	248	23%	7	28%	95	24%	
Exposure Group ^c							
MSM ^d	189	43%	7	47%	135	47%	
IDU^d	107	24%	4	27%	62	22%	
MSM and IDU	14	3%	0	0%	12	4%	
HRH ^d	121	27%	2	13%	63	22%	
Trans/Hemo	2	1%	1	7%	4	1%	
Perinatal	10	2%	1	7%	12	4%	
Unspecified ^e	635	59%	10	40%	115	29%	
Urban/Rural Parishes							
Urban	929	86%	21	84%	327	81%	
Rural	149	14%	4	16%	76	19%	
^a HIV data collection started in 1	993 Positive resu	lts of anonymous te	sts are not includ	ed due to the likeliho	and of repeated tes		

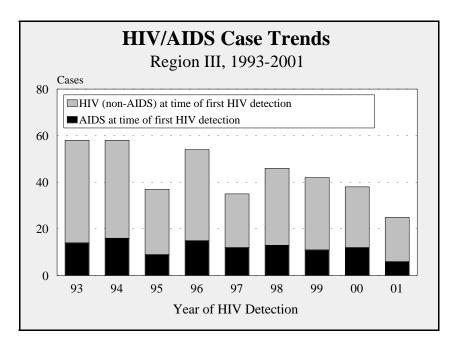
^a HIV data collection started in 1993. Positive results of anonymous tests are not included due to the likelihood of repeated tests.

^b Percentages might not add up to 100% due to missing values and rounding errors.

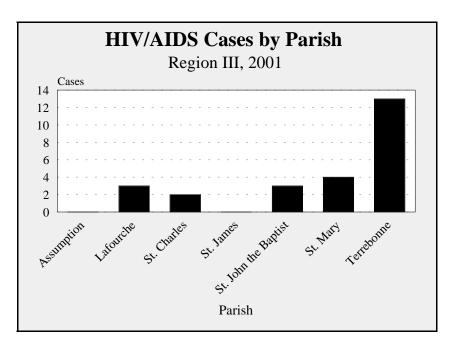
^cPercents for identified exposure groups represent the distribution among those with a specified exposure.

^d MSM: Men who have Sex with Men (non-IDU); IDU: Injection Drug Users; HRH: High-Risk Heterosexual.

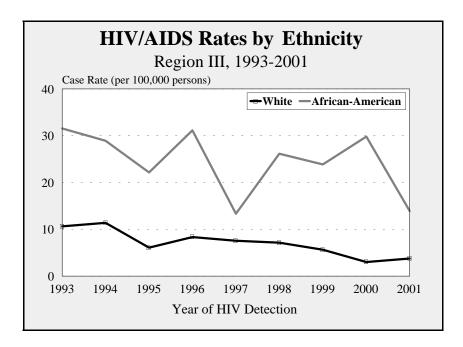
^eUnspecified Exposure refers to cases whose exposure group is under investigation or unknown.



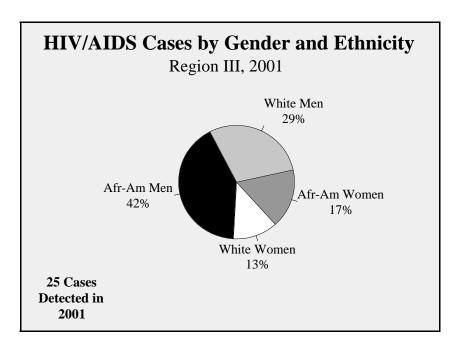
• In 2001, 25 new cases were detected in Region III. Since 1998, the number of newly-detected HIV/AIDS cases has been decreasing, from 33 in 1998 to 25 cases in 2001.



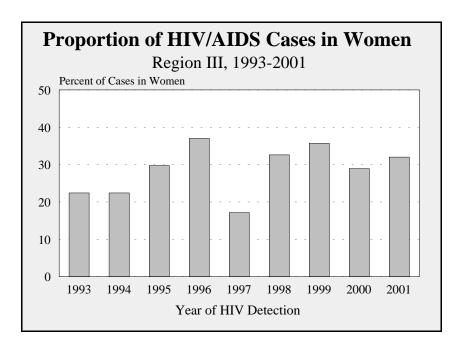
• Terrebonne had the highest number of newly-detected cases (13) of all the parishes in Region III.



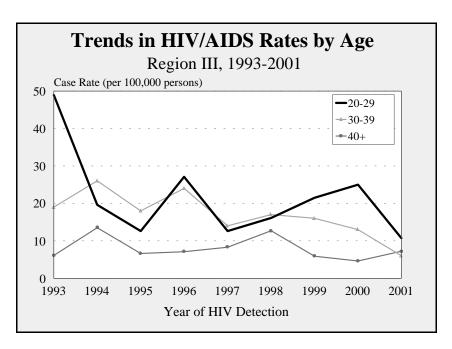
From 1993 to 2001 rates in African-American were consistently higher than rates in whites
and were generally decreasing during this time period. Year-to-year differences should be
interpreted with caution due to small sample sizes.



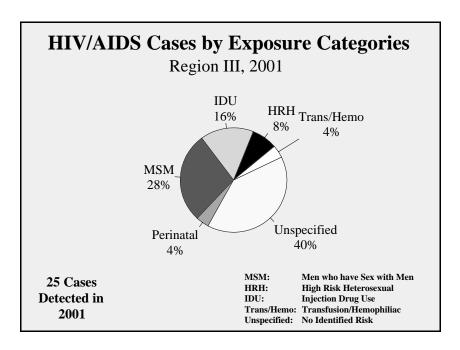
• Forty-two (42%) of newly-detected cases in 2001 were among African-American men, compared to 29% among white men.



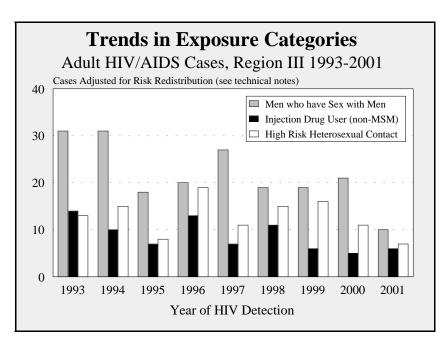
• Thirty-two percent (32%) of newly-detected cases in 2001, in Region III, were among women. Statewide in 2001, 36% of newly-detected cases were among women.



In 2001, persons 20 to 29 years of age had the highest rates of newly-detected cases.
 However, the HIV/AIDS detection rate among this age group has declined substantially over time.



• In 2001, 40% of cases detected in Region III were reported without any mode of exposure.



• After adjusting for unreported risk, the largest proportion of cases detected in 2001, in Region III, 43% were attributed to men who have sex with men.

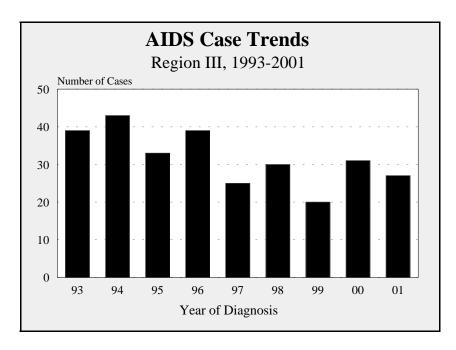
REGION III, AIDS DATA

Characteristics of AIDS Cases								
	Region I	II: Houma Regi	ion					
	AIDS Cases Dia	agnosed in 2001	Cumulative AIDS Cases					
	<u>Cases</u>	Percent ^a	<u>Cases</u>	Percent ^a				
TOTAL	27	100%	438	100%				
Gender								
Men	16	59%	358	82%				
Women	11	41%	80	18%				
Age Group								
Under 13	0	0%	9	2%				
13-24	2	7%	41	9%				
25-34	10	37%	170	39%				
35-44	5	19%	142	32%				
45+	10	37%	76	17%				
Ethnicity ^b								
African-American	13	48%	198	45%				
White	13	48%	230	53%				
Hispanic	0	0%	6	1%				
Other	1	4%	4	1%				
Ethnicity ^b and Gender								
Af-Am Men	9	33%	147	34%				
White Men	7	26%	203	46%				
Hispanic Men	0	0%	5	1%				
Other Men	0	0%	3	1%				
Af-Am Women	4	15%	51	12%				
White Women	6	22%	27	6%				
Hispanic Women	0	0%	1	<1%				
Other Women	1	4%	1	<1%				
Exposure Category ^c								
MSM	5	26%	190	53%				
IDU	6	32%	69	19%				
MSM and IDU	1	5%	30	8%				
HRH	5	26%	48	13%				
Trans/Hemo	2	11%	15	4%				
Perinatal	0	0%	9	2%				
Unspecified	8	30%	77	18%				
Urban/Rural Parishes								
Urban	24	89%	352	80%				
Rural	3	11%	86	20%				
Facility Type								
Public	17	63%	288	66%				
Private	10	37%	149	34%				

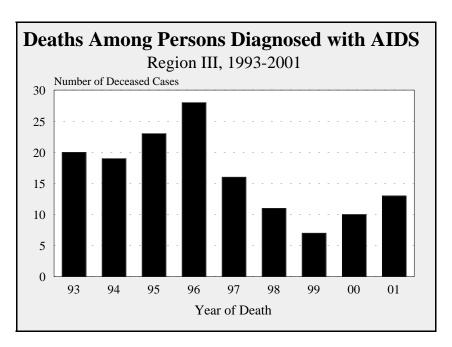
^aPercentages might not add up to 100% due to missing values and rounding errors.

^b Cases and rates by ethnicity do not include cases whose race/ethnicity is unknown.

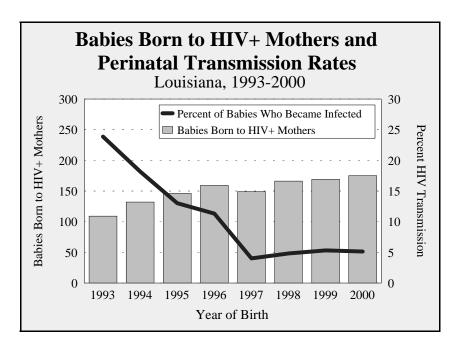
^cMSM = Men who have Sex with Men; IDU = Injection Drug User; HRH = High Risk Heterosexual; Unspecified = Still Under investigation or unknown. See technical notes for further explanation.



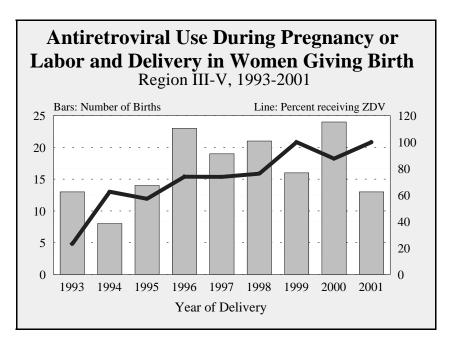
• From 2000 to 2001, in Region III, there was a decline in the number of new AIDS cases. Region III was the only region in the state that did not experience an increase in the number of new AIDS cases in 2001.



• Since 1999, the number of deaths among persons diagnosed with AIDS in Region III has been increasing.



Perinatal transmission rates dropped dramatically from 1993 to 1997 with the introduction
and widespread use of antiretrovirals during pregnancy, labor and delivery, and to the baby
after birth. In recent years, the perinatal transmission rates have remained fairly stable.
However, the number of HIV-infected babies will continue to increase as the number of
babies born to HIV-infected mothers rises due to growing numbers of women living with
HIV.



• As of May 2002, 151 HIV-infected women were reported to have given birth in 2001 statewide; 13 of these women resided in Regions III, IV and V. While 94% of the HIV-infected women giving birth statewide received AZT in 2001, all of the HIV-infected pregnant women received AZT in Regions III, IV, and V.

TECHNICAL NOTES

Interpretation of HIV Detection Data

Because antiretroviral treatment regimens are initiated earlier in the course of HIV infection than previous treatments, effective therapies postpone and/or prevent the onset of AIDS, resulting in a decrease in AIDS incidence. Consequently, recent incident AIDS data can no longer provide the basis of HIV transmission estimates and trends, and the dissemination of surveillance data has moved toward placing heavier emphasis on the representation of HIV-positive persons. Throughout this report, all AIDS data are depicted by characteristics at year of AIDS diagnosis under the 1993 AIDS case definition, whereas HIV data are characterized at year of HIV detection (earliest positive test reported to the health department).

HIV detection data are not without limitations. Although HIV detection is usually closer in time to HIV infection than is an AIDS diagnosis, data represented by the time of HIV detection must be interpreted with caution. Unlike AIDS data where the date of diagnosis is relatively precise for monitoring AIDS incidence, HIV detection trends do not accurately depict HIV transmission trends. This is because HIV detection data represent cases who were reported after a positive result from a confidential HIV test, which may first occur several years after HIV infection. In addition, the data are under detected and under reported because only persons with HIV who choose to be tested confidentially are counted. HIV detection counts do not include persons who have not been tested for HIV and persons who only have been tested anonymously.

Therefore, HIV detection data do not necessarily represent characteristics of persons who have been recently infected with HIV, nor do they provide true HIV incidence. Demographic and geographic subpopulations are disproportionately sensitive to differences and changes in access to health care, HIV testing patterns, and targeted prevention programs and services. All of these issues must be carefully considered when interpreting HIV data.

Definitions of the Exposure Categories

For the purposes of this report, HIV/AIDS cases are classified into one of several hierarchical exposure (risk) categories, based on information collected. Persons with more than one reported mode of exposure to HIV are assigned to the category listed first in the hierarchy. Definitions are as follows:

- Men who have Sex with Men (MSM): Cases include men who report sexual contact with other men, i.e. homosexual contact or bisexual contact.
- **Injection Drug User (IDU)**: Cases who report using drugs that require injection not other route of administration of illicit drug use at any time since 1978.
- **High-Risk Heterosexual Contact (HRH)**: Cases who report specific heterosexual contact with a person who has HIV or is at increased risk for HIV infection, e.g. heterosexual contact with a homosexual or bisexual man, heterosexual contact with an injection drug user, or heterosexual contact with a person known to be HIV-infected.
- **Hemophilia/Transfusion/Transplant** (**Hemo/Transf**): Cases who report receiving a transfusion of blood or blood products prior to 1985.
- **Perinatal**: HIV infection in children resulting from transmission from an HIV+ mother to her child.

• Unspecified: Cases who, at the time of this publication, have no reported history of exposure to HIV through any of the routes listed in the hierarchy of exposure categories. These cases represent logistical issues of surveillance and do <u>not</u> imply that modes of transmission other than sexual, blood, and perinatal are suspected. "Unspecified" cases include: persons for which the surveillance protocols to document the risk behavior information have not yet been completed and are still under investigation; persons whose exposure history is incomplete because they have died, declined risk disclosure, or were lost to follow-up; persons who deny any risk behavior; and persons who do not know the HIV infection status or risk behaviors of their sexual partners.

Case Definition Changes

The CDC AIDS case definition has changed over time based on knowledge of HIV disease and physician practice patterns. The original definition was modified in 1985¹. The 1987 definition² revisions incorporated a broader range of AIDS opportunistic infections and conditions and used HIV diagnostic tests to improve the sensitivity and specificity of the definition. In 1993, the definition was expanded³ to include HIV-infected individuals with pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer, or CD4 T-lymphocyte counts of less than 200 cells per ml or a CD4⁺ percentage of less than 14. A result of the 1993 definition expansion caused HIV-infected persons to be classified as AIDS earlier in their course of disease than under the previous definition. Regardless of the year, AIDS data are tabulated in this report by the date of the first AIDS defining condition in an individual under the 1993 case definition.

The case definition for HIV infection was revised in 1999⁴ to include positive results or reports of detectable quantities of HIV virologic (nonantibody) tests. The revisions to the 1993 surveillance definition of HIV include additional laboratory evidence, specifically detectable quantities from virologic tests. The perinatal case definition for infection and seroreversion among children less than 18 months of age who are perinatally exposed to HIV has been changed to incorporate the recent clinical guidelines and the sensitivity and specificity of current HIV diagnostic tests in order to more efficiently classify HIV-exposed children as infected or non-infected.

Adjustment and Estimation Techniques

The period of time between when a case is diagnosed and when it is reported (reporting delay) causes distortions in trends for recently diagnosed cases. Reporting delays were estimated using a maximum likelihood procedure, taking into account possible differences in reporting delays among exposure, geographic, ethnic, age, and gender categories. The estimated number of cases that will be reported are presented as "expected" cases. Adjustment programming was developed by CDC (HIV/AIDS Surveillance Report, 1994; 6(2): 37-38).

Recently reported cases, especially HIV (non-AIDS) cases, are more likely to be reported without a specified risk (exposure), thereby causing a distorting decrease among trends in exposure categories. Thus, proportions and graphic representation of trends among risk groups use estimated cases based on risk redistribution. This redistribution is based on preliminary national sex-and race- specific exposure classification distributions of previously unspecified HIV cases in the southern states. These redistribution parameters are similar to those based on national AIDS cases diagnosed prior to 1993 as well as those based on the distribution of specified cases in Louisiana.

¹ MMWR 1985; 34: 373-75.

² MMWR 1987; 36 [Supp no.1S]: 1S-15S.

³ MMWR 1992; 41[RR-17]: 1-19.

⁴ CDC 1999; 48[RR13]; 1-27.